



August A. **Busch** Memorial Conservation Area
Powder Valley Conservation Nature Center
Rockwoods Reservation



Making Tracks

July 2001

Volume 01, Number 07

Attention Sports Fans!

by Greg Toczylowski, Training Center Supervisor

Are you in the market for a new sport or possibly interested in rekindling a sport activity? Please take a moment of your time to answer yes or no to these questions to see if you are a candidate for an exciting and challenging sport activity:

1. Do you enjoy outdoor sport activities?
2. Do you enjoy viewing wildlife in their natural environment?
3. Are you interested in the study of nature?
4. Are you looking for a sport that can include the whole family?
5. Are you interested in supporting our natural resources?

If you answered yes to one or all of these questions you should consider joining the ranks of millions of Americans that enjoy the exciting sport of hunting.

The Missouri Department of Conservation offers many opportunities to learn and participate in this recreational sport. This sport does require the knowledge of the Missouri Wildlife Code Regulations and does require, in most cases, a permit to pursue wildlife for sport hunting. Other requirements include Hunter Education Certification for all hunters born on or after January 1, 1967, except those purchasing a Youth Deer & Turkey Permit. A person must complete an approved hunter education program and display their card before they can purchase a firearms hunting permit. A person must be at least eleven years old to receive hunter education certification.

The Missouri Department of Conservation offers hunting opportunities on many of its state owned areas. Also the development of positive and ethical hunter/landowner relationships can open the door to additional hunting opportunities. A wildlife hunting permit is not a trespass permit. Respect private landowners and ask permission to hunt first!

The St. Louis Region is fortunate to have the August A. Busch Memorial Shooting Range and the Jay Henges Shooting Range and Training Center which not only offer a safe place to practice your firearms skills, but also offer many sport hunting programs:

- Missouri Hunter Education
- Missouri Bow Hunter Education
- Basic Rifle, Shotgun, Handgun and Black Powder Courses
- Youth Deer, Turkey, Waterfowl and Dove Hunting Clinics
- Youth Hunter Education Day Camps (ages 11-15) - one week
- Youth A.S.K. for Hunters Day Camps (ages 11-15) - one week
- NRA Youth Hunter Education Challenge Team

The Missouri Department of Conservation invites you to get involved in the exciting and rewarding sport of hunting. Get off the couch and give us a call at the St. Louis Regional Office (636) 441-4554 for more information. Be Safe!



News from
Powder Valley Conservation
 Nature Center

GIFT SHOP NEWS!

SPOTLIGHTING ADVENTURER

Meriwether Lewis (1774-1809), at the young age of 27 became the private secretary to an old family friend, President Thomas Jefferson. The president appeared to have Lewis in mind for a transcontinental expedition for several years. The timing of Lewis's experience and maturity, the passage of a congressional budget, and the purchase of the Louisiana Territory all came together for the great adventure of 1803-1806, the Corps of Discovery's Louisiana Expedition.

Meriwether Lewis was born to a Virginia planter family in 1774. He briefly moved with his mother to Georgia following his father's death but returned to Virginia to assume responsibility for the family's plantation during his teenage years. At the age of 20, Lewis joined the state militia and eventually the regular army serving in Ohio and Tennessee. By the time Jefferson called him, he had earned the rank of captain and a great deal of frontier experience. Lewis prepared for his trip by studying with Jefferson and various faculty members of the University of Pennsylvania.

Upon returning from the historic journey of the Corps of Discovery in 1806, Meriwether Lewis, as its leader, received world wide acclaim. His extensive samples of plants and wildlife, his detailed journals and his collection of charts and maps became the foundation of western naturalist studies.

President Jefferson appointed Lewis governor of the Louisiana Territory in 1808. Though a great explorer, Lewis was a poor administrator and politician. On his way to Washington in September of 1809, Meriwether Lewis died a violent and still mysterious death in a tavern near Nashville, Tennessee at the age of 35. He will forever be remembered as our young nation's great explorer and chronicler of a most amazing adventure.

Powder Valley's gift shop collection series now has a pin honoring Meriwether Lewis for his contribution to the Expedition. The cost for each pin in the series is \$3.00.



11715 Cragwold Road
Kirkwood, MO 63122
(314) 301 - 1500

LOCATION: From I-44 east in Kirkwood, take Watson Road, exit and turn north on Geyer Road. Follow Geyer Road 200 yards to Cragwold Road. Go 1 mile west on Cragwold Road.

AREA HOURS:

Daylight Savings Time:
 8 a.m. to 8 p.m. Central
 Standard Time: 8 a.m. to
 6 p.m.

NATURE CENTER

HOURS: Open all year,
 7 days a week, from 8 a.m.
 to 5 p.m.

GIFT SHOP HOURS:

Open all year, 7 days a
 week, from 8 a.m. to
 4:30 p.m.

ABOUT THE AREA:

112 acres of forestland and winding creeks, three hiking trails (one wheelchair accessible). Open to visitors free of charge.

Resident Artisan Program Rock Painting with Lin Wellford

We are pleased to welcome back, for the fourth time, the nationally renowned artist and author **Lin Wellford**! Lin will be sharing with us the wonderful world of rock painting.

Lin will discuss how to pick the right rock and how to bring that rock to life. She will offer slide shows for beginners and intermediate rock painters in our auditorium, and for those hands on people, afternoon workshops are available. Join us Friday, August 3rd if you are an intermediate rock painter who

would like to take your work to the next level. If you are a beginner please join us on August 4th & 5th to learn how to get started. In between slide shows on Saturday and Sunday, Lin will be in our

lobby available for questions, demonstration and to sign her books.

The Powder Valley gift shop has Lin Wellford's books for sale: "*The Art of Painting Animals on Rocks*,"

"Painting on an object that already has a shape is like taking a shortcut to great results. A flat piece of paper or canvas can be pretty intimidating, but there's something friendly about a rock. Plus there's no foreground or background to worry about, and since you're already working in three dimensions, perspective isn't a problem either. I've had many people tell me that rock painting has opened up a whole new world of creativity for them." --Lin Wellford

"*Painting More Animals on Rocks*" and "*Painting Flowers on Rocks*." Also, Lin's wonderful rock painting video "*Painting Animals with Lin Wellford*." Look for her other book "*Painting Houses, Cottages and Towns on Rocks*" and "*Painting Pets on Rocks*" at your local book

store. For those Lin Wellford fans or people who just want to know more about rock painting visit www.linwellford.com.

See page 4&5 for program details.

News from

Rockwoods Reservation

Beating the Heat

by Cindy Schweitzer, Naturalist

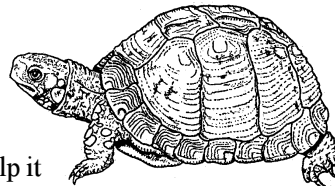
This month the real heat of summer sets in. You might find yourself sweating, panting, and running for the air conditioning. But what about animals outside? High temperatures affect all living things. When it gets hot, animals have to keep cool.

Lots of animals avoid the heat by being nocturnal. Some insects, mammals, and birds wait until night to hunt, feed and move about. To keep their bodies cool and skin moist, amphibians like frogs, toads and salamanders, feed and move about after dark. Treefrogs spend their days in knotholes of trees where rainwater makes tiny puddles, or huddling with their legs tucked underneath them, so less water evaporates from their skin. A nighttime rain means amphibians can travel without drying out - drive carefully during evening storms and you may see dozens of frogs and toads crossing roads.

Animals also seek out nature's air conditioning. In the heat of summer, pickerel frogs hang out in cool springs and caves. Coyotes and foxes use caves and underground dens for a cool nap. Deer rest in shady spots where they can find a breeze. The flow of air cools them and also allows them to sniff for danger.

Some animals make their own air conditioning. Bees position themselves at the hive entrance and beat their wings, creating a breeze to cool the bees, eggs and larvae inside. Birds use their wings to fan their eggs and babies. Least Terns nest on sandbars in Missouri's big rivers, where temperatures soar. To keep their eggs from cooking in the sun, terns carry water in their beaks and dump it on the nest. As the water evaporates, it cools the eggs.

When we sweat the moisture helps us cool off, and our bare skin is a great surface for evaporative cooling. For hairy mammals, sweat would not evaporate well, so most do not really sweat. One Missouri exception is the opossum - its tail has sweat glands to help it cool off. Other mammals pant, and the escaping hot air and evaporating saliva cool the animal down. Birds pant too, with the help of a flap in their throat that waves back and forth - scientists call this gular flutter. Reptiles may pant, but if still too hot they resort to desperate measures. To cool off, box turtles drool, their eyes tear and they urinate on their back legs!



To keep cool this summer, borrow some techniques from animals! Do outdoor activities after sunset, stay in the shade and of course, get wet! Remember to be prepared with cool clothes, sun screen and plenty of drinking water when you enjoy the outdoors. Be smart about the heat, and hopefully you won't have to use the box turtle's last resort!



**2751 Glencoe Road
Wildwood, MO 63038
(636) 458 - 2236**

LOCATION:

From I-44, take Hwy 109 (Eureka exit) north 4 miles to Woods Avenue; left on Woods Avenue, and then immediately right on Glencoe Road; follow signs.

From Hwy 40 (I-64), take Clarkson Road south to Manchester Road; right (west) on Manchester to Hwy 109; left (south) on Highway 109, 2 miles to Woods Avenue; right on Woods Avenue, and then immediately right on Glencoe Road; follow signs.

From Manchester Road, take Hwy 109 south 2 miles to Woods Avenue; right on Woods Avenue, and immediately right on Glencoe Road; follow signs.

AREA HOURS: Sunrise until 1/2 hour after sunset.

VISITOR CENTER

HOURS: Open seven days a week all year, except holidays, from 8 a.m. to 5 p.m.

ABOUT THE AREA:

All facilities are free to the public including:

- *Education Center with exhibits and interpretive programs.
- *1,898 acres of rugged, mostly hardwood forested land interspersed with springs and streams.
- *Two picnic areas (one with charcoal grills) with drinking water, tables, and toilets.
- *Seven trails (one is self-guided and wheelchair accessible) totaling more than 10 miles.

Rockwoods Monthly Exhibit

Gypsy Moths



The gypsy moth is a major tree pest once it becomes established in new areas. It eats leaves on most trees and may kill them.

While you are visiting Rockwoods this month stop by the classroom and check out the exhibit on gypsy moths. You can learn more about these pests and what the Department is doing to monitor their population movement and what you can do to help to prevent them from spreading across Missouri.



How to register for a

Reservations are required unless otherwise specified. Reservations will be taken Monday through Friday from 8:00 a.m. - 5:00 p.m. Programs are intended for individuals and families only. If you are unable to attend a program, please call and cancel your reservation as a courtesy to those on our waiting list. **Please be prompt. Arrival after 10 minutes may exclude you from the program.** Interpreting services are available for people with hearing loss with five days advanced notice.

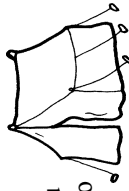
ROCKWOODS

For reservations, call (636) 458 - 2236

19 Survivor-Camping 101

Thursday 2:00 p.m. - 4:00 p.m.

(Hearing impaired families) Whether you're a seasonal back country expert or a curious newcomer, this introductory program is designed to give you the basic knowledge you need to survive in the wilderness. We will do many hands on outdoor activities and try hands on cooking! (Reservations begin July 5.)



20

Ticked Off

Friday 2:00 p.m. - 3:30 p.m.

(Families) Have some fun while learning better ways to avoid the little suckers. Participate in the tick olympics, make your own tick stick and more. We will talk about the myths and truths of tick safety. (Reservations begin July 6.)

This month you can get an in-depth learning experience with **Rockwoods theme weeks!!** This month learn all about Missouri's geology and those summer creepy crawlies!! Remember attend all three programs and get a prize at the end of the week!

Geology Week

16 Rockwoods History/Mining 2:30 p.m. - 4:00 p.m.

18 Fossils 10:00 a.m. - 11:30 a.m.

20 Karst- springs, sinkholes, caves 10:00 a.m. - 11:30 a.m.

(Ages 8-13) Get down and dirty with this intense look at Missouri's geology. (Reservations begin July 2.)

JULY

Program

Reservations will be taken Monday through Friday from 8:00 a.m. - 5:00 p.m. Programs are intended for individuals and families only. If you are unable to attend a program, please call and cancel your reservation as a courtesy to those on our waiting list. **Please be prompt. Arrival after 10 minutes may exclude you from the program.** Interpreting services are available for people with hearing loss with five days advanced notice.

BUSCH AREA

For reservations, call (636) 441 - 4554

10

Making Paper

Tuesday 10:00 a.m. - Noon

(Ages 7-12) What do cattails, cotton, milkweed, and thistle have in common with wood? They can all be made into PAPER! Join us to find out how. (Reservations begin June 26.)

12

Making Paper

Thursday 7:00 p.m. - 8:30 p.m.

(Adults) See description for July 10th program. (Reservations begin June 28.)

14

What's Blooming Out There

Saturday 9:00 a.m. - 10:00 a.m.

(Families) Join us for a short hike to discover what is blooming. Bring a wildflower guide if you have one and bug spray. (Reservations begin June 29.)

14

Wild Jelly

Saturday 10:00 a.m. - 11:00 a.m.

(Adults) Learn how to turn fruits, berries, and flowers into delicious jellies! You'll have the opportunity to taste several different varieties. (Reservations begin June 29.)

17

What's Blooming Out There

Tuesday 7:00 p.m. - 8:00 p.m.

(Families) Join us for a short hike to discover what is blooming. Bring a wildflower guide if you have one and bug spray. (Reservations begin July 3.)

19

Evening Hike

POWDER VALLEY

For reservations, call (314)301-1500

Please limit requests to two programs per month, with only one to include an Ages 3-6 program. Call for free nature film schedule and titles.

2&16

Lewis & Clark Expedition

Monday 10:00 a.m. - 11:30 a.m.

(Adults) Travel the Lewis & Clark Trail vicariously with a volunteer naturalist who was fortunate enough to have done it. (Reservations begin June 19 and July 3 respectively.)

13

Folk Songs by Firelight

Friday 7:30 p.m. - 8:30 p.m.

(All Ages) Do you remember Clementine, Dan Tucker, and Suzanna? Come sing with us around the campfire. Will be held indoors if weather is inclement. Please bring flashlights. Song sheets provided. (Reservations begin June 29.)

18

Babes In The Woods

Wednesday 9:30 a.m. - 10:00 a.m. & 10:30 a.m. - 11:00 a.m.

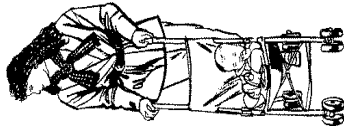
(Ages Birth-3) A stroller walk with the very young to awaken them to nature. (Reservations begin July 4.)

20

Critter Craft

Friday 10:00 a.m. - 11:00 a.m. & 12:30 p.m. - 1:30 p.m.

(All Ages) Have fun making an imaginary critter out of recycled items. (Reservations begin July 6.)



21

Making Nature Prints

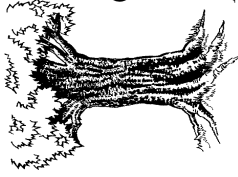
Saturday 1:00 p.m. - 3:00 p.m.

(All Ages) Artists of all ages will enjoy making a nature art portfolio. Wear your paint clothes! (Reservations begin July 10.)

21&28

Identification of Common Missouri Trees

Saturday 9:00 a.m. - 10:30 a.m. (Adults) Walk a trail & identify our common trees with their uses. (Reservations begin July 10 & 17 respectively.)



27

Friday Night Live

Friday 6:30 p.m. - 9:00 p.m.

(Families) "Come to Your Senses!" at our next Friday Night Live. See the back page for more details. (No reservations necessary.)

Coming Soon--Rock Painting with Lin Wellford!

Creepy Crawlies Week

- 23** Ticks and Chiggers 10:00 a.m. - 11:30 a.m.
25 Spider Sniff 7:30 p.m. - 9:00 p.m.
27 Stinging Things 10:00 a.m. - 11:30 a.m.
 (Ages 7-12) Ticks and Spiders and Bees-Oh My!! Get over your fears of these summer creepy crawlies by learning about these fascinating creatures. (Reservations begin July 9.)

AUGUST A. BUSCH CONSERVATION AREA SHOOTING RANGE

For Reservations, call (636) 441-4554 ext. 251

21 Women's Firearms Class

Saturday 8:15 a.m. - 3:00 p.m.
 (Any woman 18 years and older or accompanied by an adult.) Our most popular course, the women's basic firearms course is a one day class that covers basic firearm safety, types of firearms and how to safely handle and use the various types. Ammunition, cleaning and storage of firearms are also covered. The afternoon portion will be conducted at the Busch Range and will be hands-on instruction on the fundamentals of shooting.



21 Beginning Trap/Skeet

Saturday 8:15 a.m. - 3:00 p.m.
 (Any person 18 years and older or accompanied by an adult.) This is an entirely hands-on class conducted at the Busch Range. Students may bring their own 20 or 12 Gauge shotgun. Skilled and experienced shotguns will demonstrate and teach the fundamentals of trap and skeet shooting using a one-on-one method.

Upcoming Classes:

Women's Firearms August 18th & September 15th
 Beginning Trap/Skeet September 15th
All Classes Are Free!

Thursday 7:00 p.m. - 8:00 p.m.
 (Families) Many animals don't become active until dusk. We'll take a hike to experience the sights and sounds of the evening woods. (Reservations begin July 5.)

21 Wet Your Line

Saturday 9:00 a.m. - 11:00 a.m.
(Hearing impaired families) For a special treat, set aside some time this morning to enjoy the warmth of a beautiful summer morning and come fishing with your family. No experience necessary! We provide the worms and fishing poles. Participants 16-65 years of age must have a valid Missouri fishing license which can be purchased at the Visitor Center. Come join us and have a great time! (Reservations begin July 6.)

21 Making Paper

Saturday 10:00 a.m. - Noon
 (Ages 7-Adult) See description for July 10th program. (Reservations begin July 6.)

21 Big/Little Discovery Table

Saturday 10:00 a.m. - Noon
 (All Ages) Come see what your eye can't, life under a microscope. (No reservations required.)

24 Bats

Tuesday 7:00 p.m. - 8:00 p.m.
 (Families) How much do you know about bats? Most people think bats are eerie creatures that get tangled in your hair, but this just isn't true. Join us as we discover the truth about bats and then search for real ones. (Reservations begin July 10.)



28 Herons and Egrets

Saturday 8:00 a.m. - 9:00 a.m.
 (Adults) Come out to the Marais Temps Clair Conservation Area to see the herons and egrets that feed in the marsh. We will take a 2.5 mile hike to view the birds as they find food in the shallow water. (Reservations begin July 13.)

Friday, August 3

1:00 p.m. - 1:45 p.m. Slide Show for intermediate rock painting.
 2:00 p.m. - 4:00 p.m. (Ages 18 & up) Workshop for intermediate rock painters. (Reservations begin July 17.)

Saturday, August 4

10:00 a.m. - 10:45 a.m. Slide Show for rock painting basics
 11:00 a.m. - 1:00 p.m. Demos in the lobby
 1:30 p.m. - 2:15 p.m. Slide Show for rock painting basics
 2:30 - 4:30 p.m. (Ages 5 & up) Workshop on rock painting. (Reservations begin July 17.)

Sunday, August 5

11:00 a.m. - 11:45 a.m. Slide Show for rock painting basics
 Noon - 12:45 p.m. Demos in the lobby
 1:00 p.m. - 3:00 p.m. (ages 5 & up) Workshop on rock painting. (Reservations begin July 17.)

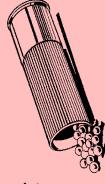
JAY HENGES SHOOTING RANGE

A.S.K. Hunters: Advanced Hunter Ed. Workshop/Camp

July 30 - August 3 8:30 a.m. - 3:30 p.m.

Advance registration required, call (314) 615-4386 (\$75 fee) This is an in-depth workshop for those who have already achieved their Hunter Education Certification. Participants will experience firearms training (rifle and shotgun), tree stand safety, game identification, calling and decoying tactics and hunting preparedness. **All Course and field work will be taught by N.R.A. and hunter education certified instructors.**

Manufacturer's Shotgun Field Test and Handgun Fun Shoot



August 11 8:00 a.m. - Noon \$3 per shooter

For more information call (314) 615-4374. Come and field test shotguns from Browning, H&K/Fabarms, Winchester and others, and decide what shotgun you would want to purchase before you actually spend money. Participants will be able to shoot these firearms at the trap houses at Henges Range. We are also offering a handgun fun shoot. There will be two categories, one for .22 cal. and the other for larger bores (9mm & up). Prizes will be awarded to the top three finishers in each class. Also available will be a shotgun reloading seminar presented by Graf's Reloading. This program will be for both beginners and advanced reloaders.

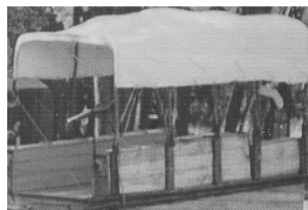
Upcoming Hunter Ed. Classes

July 21&22 9:00 a.m. - 4:00 p.m.
August 11&12 9:00 a.m. - 4:00 p.m.
 Please call (314) 301-1500 to register.

News from **Busch** Memorial Conservation Area

RELIVE THE DAYS OF LEWIS AND CLARK

by Mandy Whitacre, Naturalist



Nearly 200 years ago (1804), at the beginning of their voyage of discovery, Lewis and Clark set up camp at the base of the Missouri River Bluffs. The next day, the crew would meet and trade with local Kickapoo Indians at their campsite...a new and exciting experience for all. You can stand atop those very bluffs today and gain a sense of the eagerness and expectation that Lewis and Clark and their crew must have felt. Today's Weldon Spring Wildlife Area, acquired by John Weldon in 1796, is the site where this famous camping experience took place. Now owned by the Missouri Department of Conservation, Weldon Spring Wildlife Area houses the Lewis and Clark Trails. Situated in the northeastern portion of the area, the two trails run along the Missouri River bluffs and through the Weldon Spring Hollow Natural Area. For a healthy half-day hike, the Clark trail spans 5.2 miles over hills, bluffs and hollows. Not only will you encounter three types of Missouri forests along your hike, but you will marvel as the ever-changing landscape reveals scenic slopes and impressive limestone cliffs overlooking Howell Island and the historic Missouri River. These sites will take your breath away (not to mention a few of the hills will too)! If you can't get enough of the sights and sounds on the Clark trail, branch off onto the Lewis trail for a total of 8.2 miles of adventure! At any time of year, these trails are full of native plants, trees, and wildlife...so pack your guide books and start your own voyage of discovery on the Lewis and Clark Trails!



**2360 Highway D
St. Charles, MO 63304
(636) 441 - 4554**

LOCATION:

From Hwy 40, take 94 south to Hwy D; turn west on D for approx. 3 miles.

From I-70, take 94/First Capitol exit; turn south on Hwy 94 to Hwy D; turn west on D for approx. 3 miles.

The area entrance is on the north side of Hwy D.

HOURS: Area is open from 6 a.m. until 7 p.m.

October 1 through March 31. See area regulations for special hunt hours. Fishing hours are 6 a.m. until 6 p.m. October 1 through March 31. Rental boats are available April 1 through September 30 only. Office is open Monday through Friday from 8 a.m. until 5 p.m. and Saturday and Sunday from 8 a.m. until 4 p.m.

ABOUT THE AREA: 6,987 acres with 32 lakes and 40 ponds totaling 526 acres of water for fishing. There are six viewing blinds (two are wheelchair accessible), seven hiking trails totaling 5 miles, picnic area, staffed firearms range, and fishing jetties (some are wheelchair accessible). The area has interpretive programs, exhibits, demonstration sites, and is used by bicyclists.

July Natural Events



- * Blackberries are ripening
- * Black-eyed Susans bloom
- * Birds and mammals feast on wild fruit
- * Young raccoons leave dens
- * Dragonflies lay eggs on ponds and streams
- * Fall webworms begin web building



- * Black rat snake eggs laid until end of month
- * Cicada-killer wasps prey on dog-day cicadas
- * Rattlesnakes hunt mostly at night
- * Watch for fledgling birds--DO NOT DISTURB!
- * Katydid sing
- * Mayapple fruits ripen and fall on ground

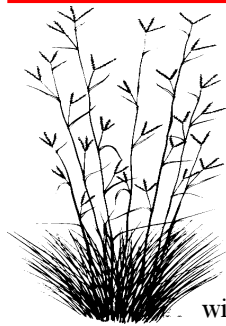


- * Squirrels bear summer litters
- * Watch for young hummingbirds at feeders
- * Cardinal flower, Compass plant, Sunflowers, Purple coneflower, Blazing star, Common milkweed, Leadplant, Butterfly weed and many other flowers are blooming now
- * Northern fence lizard eggs begin hatching



The Educators' Niche

by: David J. Bruns, Conservation Education Consultant



LISTEN TO THE GRASS GROW

Just as we must learn how to crawl before we can learn how to run, learning how to enjoy and use our natural resources wisely begins with becoming comfortable with natural settings and bonding with nature.

By engaging children in activities which nurture their innate sense of wonder and sensitivity to the outdoor world, educators and outdoor leaders become important mentors in helping children to develop appropriate attitudes and values regarding natural resources. Summer is an excellent time of year to provide students with these types of experiences. Here is an activity which will help the children become more aware of the sights, sounds, and smells of the world around them.

Find an outside area where the children can lay on the ground and relax such as along a trail or a shady area in a park. Gather the children and explain that they're going on a listening hunt. Have everyone lay on the ground and pretend to be part of the earth. Some of the children may allow their bodies and faces to be covered with dry grass or twigs so they actually look like the ground. Be sure to have them close their eyes as you place the grass over their faces so dirt won't get in their eyes. Let the children know beforehand that bugs live and crawl on the ground and may crawl over them. Explain that they must be quiet and blend in with their surroundings if they want to hear and see things. Tell the children that you will give a signal when everyone can get up. Be careful not to make it too long but long enough so that everyone will be able to see, hear and smell something. After giving the signal, begin a discussion of the sounds they might have heard. Draw their attention to sounds in the area. Did they hear the wind? Were there cars or birds nearby? Could they hear the grass growing? Discuss how it felt to be part of the earth. What kinds of things did they see? Did bugs crawl on anyone? How did it feel? Where was the bug going? What did the children smell? Could they smell the grass, trees or leaves? Remember that your enthusiasm and interest in nature as an adult leader will have a tremendous impact on how the children perceive their surroundings and the attitudes that they will develop.

If you wish, finish the activity by reading: *The Listening Walk* by Paul Showers, Thomas Y. Crowell; New York, NY, 1961. It is a story about sounds that a young child hears on a silent walk with his father.

This activity is adapted from the *Conservation Seeds Activities Book* which can be ordered by teachers and youth leaders from the Missouri Department of Conservation Educational Materials Request Form, or on-line at www.conservation.state.mo.us.

JUNE & JULY EDUCATION WORKSHOPS:

Lewis & Clark & the Big River Confluence

June 26-28, 2001 9:00 a.m.-4:00 p.m.

Rockwoods Reservation

Credit: One hour graduate Lindenwood University

Contact: David Bruns: 636-458-2236

Animal Adaptations & Behavior

July 10-12, 2001 8:30 a.m.-4:00 p.m.

St. Louis Zoo & Powder Valley Cons. N.C.

Credit: One hour graduate Lindenwood University

Contact: Jim Jordan: 314-781-0900 x 340

Connecting Art & Conservation in the Classroom

July 10-12, 2001 9:00 a.m.-4:00 p.m.

Powder Valley Conservation Nature Center

Credit: One hour graduate Lindenwood University

Contact: Barb Sandhagen: 314-301-1500 x 2242

Conservation Education for Early Childhood Teachers

July 14, 2001 8:30-12:30 p.m.

August A. Busch Memorial Conservation Area

Credit: NONE

Contact: Nancy Snider: 636-441-4554 x 245

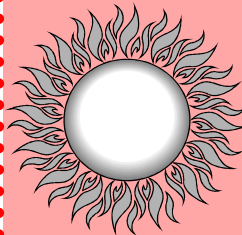


Word of the Month:

Aestival

(EH-steh-vehl) Adj.

Of, pertaining to, or appearing in summer.



BUSCH RANGE

Hours for July 2001:

10:00 a.m. - 4:00 p.m. Friday - Monday

10:00 a.m. - 7:30 p.m. Tuesdays

Closed Wednesday & Thursday

For more information,

call 636.441.4554 ext. 251

HENGES RANGE

Hours for July 2001:

2:00 p.m. - 8:00 p.m. Wednesday

10:00 a.m. - 4:00 p.m. Thursday - Sunday

Closed Monday, Tuesday,

Special Events & Holidays

For more information,

call 636.938.9548



Making Tracks

Missouri Department of Conservation

2360 Hwy D

St. Charles, MO 63304

www.conservation.state.mo.us

PRSRT STD.
U. S. POSTAGE PAID
MO DEPT OF CONSERVATION

Attention! Teens, Moms and Dads!

Do you like camping, hiking, backpacking, rock climbing, rappelling, etc.? If you do, come join the fun! Powder Valley Conservation Nature Center is sponsoring a Venturing Crew-coed scouting for boys and girls ages 14-20. If you are age 21 or older you can be an adult member. Venturing Crew members participate in a variety of outdoor activities. Last summer our group went down to Philmont Scout Ranch in the New Mexican Mountains. This summer the Venturing Crew is taking a trip to Yellowstone National Park. Additionally, Venturers have the opportunity to work with the Department of Conservation at Powder Valley in various service projects including the goose round up, special events, trail maintenance and butterfly counts. If these things sound appealing to you, come participate in the Venturing Crew with people who enjoy the outdoors as much as you do! Come join the fun! All are welcome!

For more information call:

Katie or Mike Neuhaus at

(636) 225-5649

Kathy Kottemann at

(314) 842-5494



Page 8

Making Tracks

July 2001



FRIDAY NIGHT LIVE!

"Come to Your Senses!"

"Come to Your Senses!" at Powder Valley's next Friday Night Live on July 27 from 6:30 - 9:00 p.m. Through hikes, programs, activities, crafts and learning stations, you'll explore the sensory world of both humans and wildlife. Sniff out your prey on our Scent Trail. Use your whiskers to feel your way in the dark. See how many camouflaged "creatures" you can find. Make frog songs and listen for a mate. Hike at Emmenegger Nature Park and learn how nocturnal predators use specialized senses to hunt. Use your taste buds at our refreshment stand. Watch as live animals use their senses. Our guests from the World Bird Sanctuary will do flight demonstrations, highlighting the unique adaptations of birds of prey. Snakes on display will help us understand how they sense their world. Parking, along with some activities, will be at Emmenegger Nature Park. Shuttles will bring you to Powder Valley Conservation Nature Center for more fun.



*No reservations necessary. Please call
314.301.1500 for more information*

Volunteer Milestones

*Thanks for all your
effort and help!*

Rockwoods Reservation

Jan Castanis.....500 hours
Mary Demmitt.....500 hours
Amber Edwards.....500 hours
Kathy Edwards.....1500 hours
Glenda Myers.....1400 hours
John Schroeder.....700 hours

Busch Conservation Area

Karen Hencel.....1700 hours
Lois Zvibleman.....700 hours

Powder Valley Nature Center

Warene Anderson ...3000 hours
Alma Dulz.....2300 hours
Paula Lee.....600 hours
Liz McCane.....1900 hours
Jack McGinnis.....3400 hours
Rita Mueller.....400 hours
Tom O'Gorman.....2200 hours
Shirley Pearlstone.....300 hours
Mary Piotraschke....1200 hours
Ed Witte.....1800 hours
Rosemary Witte.....2100 hours
Marjorie Yamada.....1800 hours
Animal keepers.....43 hours